P26337.P11 Sheet 1 of 2 Atty. Docket FORM PTO-1449 J.S. Department of Commerce Application No. Patent and Trademark Office P26337 10/516,072 **Applicant** FORMATION DISCLOSURE STATEMENT Toshohide KOBAYASHI et al. BY APPLICANT (Use several sheets if necessary) Filing Date Group I.A. Filed May 30, 2003 1655 U.S. PATENT DOCUMENTS **EXAMINER FILING DATE** INITIAL DOCUMENT NUMBER DATE NAME **CLASS SUBCLASS** IF APPROPRIATE 5 MIYAUCHI et al. 6 11/25/97 FOREIGN PATENT DOCUMENTS TRANSLATION DOCUMENT NUMBER DATE COUNTRY **CLASS SUBCLASS** YES OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) L.F. AMOROSA et al., Atherosclerosis, Vol. 64, pp. 117-123 (1987). Hideki ISHIWATA et al., Chem. Pharm. Bull., Vol. 43, No. 6, pp1005-1011 (1995). Hideki ISHIWATA et al., Biochimica et Biophysica Acta, Vol. 1359, pp. 123-135 (1997). Yiannis A. IOANNOU, Nature Reviews: Molecular Cell Biology, Vol. 2, pp. 657-668 (2001). Patel et al., Biochimica et Biophysica Acta, 797(1984)20-26. Igarashi et al., The Journal of Biological Chemistry, Vol. 270, No. 49, Issue of December 8, pp. 29075-29078, 1995. Miyazawa et al., Molecular Immunology, Vol. 25, No. 10, 1025-1031, 1988. Yamji et al., The Journal of Biological Chemistry, Vol. 273, No. 9, Issue of February 27, pp. 5300-5306, 1998. Brown et al., Cell, Vol. 68, 533-544, February 7, 1992. Wang et al., Biophysical Journal, Vol. 79, September 2000, pp. 1478-1489. Nichols et al., Biochemistry, 1982, 21, 1720-1726.

Kobayashi et al., Nature Cell Biology, Vol. 1, June 1999, pages 113-118. Sokol et al, Igarashi et al., The Journal of Biological Chemistry, Vol. 263, No. 7, Issue of March 5, pp. 3411-3417, 1988. Prescott et al., European Journal of Cell Biology, 72, 238-246, March 1977. Pentchev et al., Biochimica et Biophysica Acta, Vol. 1225, pp. 235-243 (1994). Ichikawa et al., Proc. Natl. Acad. Sci. USA, Vol. 91, pp. 2703-2707, March 1994. Parton, The Journal of Histochemistry and Cytochemistry, Vol. 42, No. 2, pp. 155-166, 1994. Rothblat et al., Journal of Lipid Research, Vol. 40, 1999, pp. 781-796. Waugh et al., Biochemical Society Transactions (2001), Volume 29, part 4, pp. 509-511. Roepstorff et all., The Journal Of Biological Chemistry, Vol. 277, No. 21, Issue of May 24, pp. 18594-18960, 2002. Ringerike et al., Journal of Cell Science, 115(6) 1331-1340. Aman et al., The Journal Of Biological Chemistry, Vol. 276, No. 49, Issue of December 7, pp. 46371-46378, 2001.

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**EXAMINER** 

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		Lange et al., The Journal Of											
		Cruz et al., The Journal Of E	Biological Chemistr	ry, Vo	ol. 275, No.	6, Issue of Fe	bruar	y 11, pp. 4	013-4021,	2000.			
		Mukherjee et al., Biophysical	Journal, Vol. 75, 0	Octob	er 1998, pp.	. 1915-1925.							
		Hao et al., The Journal Of Biological Chemistry, Vol. 277, No. 1, Issue of January 4, pp. 609-617, 2002.											
		Waheed et al., PNAS, April 24, 2001, Vol. 98, No. 9, pp. 4926-4931.											
Mobious et al., The Journal of Histochemistry & Cytochemistry, Vol. 50(1): 43-55, 2000 Pagano et al., The Journal of Cell Biology, Vol. 91, December 1981, pp. 872-877.									2002.				
		Pagano et al., The Journal (1985.	Of Biological Cher	nistry	, Vol. 260,	No. 3, Issue	of Fe	bruary 10	, pp. 1909	-1916,			
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•	Hideki ISHIWATA et al., "Physical-Chemistry Charact Liposomes Using Poly(oxyethylene) Cholesteryl Ether", C	nem, rnam	II. Buil., Voi. 43, 1	10. 0, pp 1000					
	Mark S. BRETSCHER et al., "Cholesterol and the Golgi A	pparatus",	Science, Vol. 261	, pp. 1280-128	1 (1993).				
	Anton RIETVELD et al., "The Differential Miscibility of Lipids as the Basis for the Formation of Functional Membrane Rafts", Biochimica et Biophysica Acta, Vol. 1376, pp. 467-479 (1998).								
)	Rhoderick E. BROWN et al., "Sphingolipid Organization in Biomembranes: What Physical Studies of Model Membranes Reveal". Journal of Cell Science, Vol. 111, pp. 1-9 (1998).								
1	Teymuras V. KURZCHALIA et al., "Membrane M	icrodomai	ns and Caveolae						
	Elina IKONEN et al. "Caveolins and Cellular Chole	esterol Bal	ance", Traffic, \	/ol. 1, pp. 21	2-217 (2000).				
)	D.A. BROWN et al., "Functions of Lipid Rafts in Biological Membranes", Annu. Rev. Cell Dev. Biol., Vol.								
10	Kai SIMONS et al., "Lipid Rafts and Signal Transc			$\sim 7 \setminus \bigcirc / 1$	<u> </u>				
11	Linda J. PIKE et al., "Cholesterol Depletion Delocalizes Phosphatidylinositol Bisphosphate and Inhibits Hormone-Stimulated Phosphatidylinositol Turnover", The Journal of Biological Chemistry, Vol. 273, No. 35, pp. 22298-22304 (1998).								
12	PRALLE et al., "Sphingolipid-Cholesterol Rafts Diffuse as Small Entities in the Plasma Membrane of Mammalian Cells", The Journal of Cell Biology, Vol. 148, No. 5, pp. 997-1007 (2000).								
13	Katja RÖPER et al., "Retention of Prominin in Microvilli Reveals Distinct Cholesterol-Based Lipid Microdomains in the Apical Plasma Membrane", Nature Cell Biology, Vol. 2, pp. 582-592 (2000).								
14	Michael S. BROWN et al., "A Proteolytic Pathway that Controls the Cholesterol Content of Membranes, Cells, and Blood", Proc. Natl. Acad. Sci. USA, Vol. 96 pp. 11041-11048 (1999).								
15	Kai SIMONS et al., "How Cells Handle Cholesterol", Science, Vol. 290, pp. 1721-1726 (2000).								
16	Yiannis A. IOANNOU, "Multidrug Permeases and Subcellular Cholesterol Transport", Nature Reviews:								
17	Peter G. PENTCHEV et al., "The Niemann-Pick C Lesion and its Relationship to the Intracellular Distribution and Utilization of LDL Cholesterol", Biochimica et Biophysica Acta, Vol. 1225, pp. 235-243								
18	Laura LISCUM, "Niemann-Pick Type C Mutations Cause Lipid Traffic Jam", Traffic, Vol. 1, pp. 218-225								
19	Toshihide KOBAYASHI et al., "Late Endosomal Membranes Rich in Lysobisphosphatidic Acid Regulate Chalesterel Transport", Nature Cell Biology, Vol. 1, pp. 113-118 (1999).								
20	akeshi BABA et al., "Clathrin-Dependent and Clathrin-Independent Endocytosis are Differently Sensitive to Insertion of Poly (Ethylene Glycol)-Derivatized Cholesterol in the Plasma Membrane", Traffic, Vol. 2, pp. 501-512 (2001).								
21	English Language Abstract of JP 8-131179.								
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